



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/500,296

DATE: 07/08/2004

TIME: 15:10:14

Input Set : A:\PH-1707PCT(SequenceListing).TXT

Output Set: N:\CRF4\07082004\J500296.raw

3 <110> APPLICANT: KIRIN BEER KABUSHIKI KAISHA  
 W--> 4 <120> TITLE OF INVENTION: ANTI FGF-23 ANTIBODY  
 6 <130> FILE REFERENCE: PH-1707-PCT  
 C--> 8 <140> CURRENT APPLICATION NUMBER: US/10/500,296  
 C--> 9 <141> CURRENT FILING DATE: 2004-06-28  
 11 <150> PRIOR APPLICATION NUMBER: JP2001/401689  
 12 <151> PRIOR FILING DATE: 2001-12-28  
 14 <150> PRIOR APPLICATION NUMBER: JP2002/262020  
 15 <151> PRIOR FILING DATE: 2002-09-06  
 17 <160> NUMBER OF SEQ ID NOS: 36  
 19 <170> SOFTWARE: PatentIn Ver. 2.0  
 21 <210> SEQ ID NO: 1  
 22 <211> LENGTH: 251  
 23 <212> TYPE: PRT  
 24 <213> ORGANISM: Homo sapiens  
 26 <400> SEQUENCE: 1  
 27 Met Leu Gly Ala Arg Leu Arg Leu Trp Val Cys Ala Leu Cys Ser Val  
 28 1 5 10 15  
 30 Cys Ser Met Ser Val Leu Arg Ala Tyr Pro Asn Ala Ser Pro Leu Leu  
 31 20 25 30  
 33 Gly Ser Ser Trp Gly Gly Leu Ile His Leu Tyr Thr Ala Thr Ala Arg  
 34 35 40 45  
 35 Asn Ser Tyr His Leu Gln Ile His Lys Asn Gly His Val Asp Gly Ala  
 36 50 55 60  
 38 Pro His Gln Thr Ile Tyr Ser Ala Leu Met Ile Arg Ser Glu Asp Ala  
 39 65 70 75 80  
 41 Gly Phe Val Val Ile Thr Gly Val Met Ser Arg Arg Tyr Leu Cys Met  
 42 85 90 95  
 44 Asp Phe Arg Gly Asn Ile Phe Gly Ser His Tyr Phe Asp Pro Glu Asn  
 45 100 105 110  
 47 Cys Arg Phe Gln His Gln Thr Leu Glu Asn Gly Tyr Asp Val Tyr His  
 48 115 120 125  
 50 Ser Pro Gln Tyr His Phe Leu Val Ser Leu Gly Arg Ala Lys Arg Ala  
 51 130 135 140  
 53 Phe Leu Pro Gly Met Asn Pro Pro Pro Tyr Ser Gln Phe Leu Ser Arg  
 54 145 150 155 160  
 56 Arg Asn Glu Ile Pro Leu Ile His Phe Asn Thr Pro Ile Pro Arg Arg  
 57 165 170 175  
 59 His Thr Arg Ser Ala Glu Asp Asp Ser Glu Arg Asp Pro Leu Asn Val  
 60 180 185 190  
 62 Leu Lys Pro Arg Ala Arg Met Thr Pro Ala Pro Ala Ser Cys Ser Gln  
 63 195 200 205  
 64 Glu Leu Pro Ser Ala Glu Asp Asn Ser Pro Met Ala Ser Asp Pro Leu



## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/500,296

DATE: 07/08/2004

TIME: 15:10:14

Input Set : A:\PH-1707PCT(SequenceListing).TXT

Output Set: N:\CRF4\07082004\J500296.raw

```

65      210      215      220
67 Gly Val Val Arg Gly Gly Arg Val Asn Thr His Ala Gly Gly Thr Gly
68 225      230      235      240
70 Pro Glu Gly Cys Arg Pro Phe Ala Lys Phe Ile
71      245      250
74 <210> SEQ ID NO: 2
75 <211> LENGTH: 30
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
82 <400> SEQUENCE: 2
83 ccggaattca gccactcaga gcagggcacg 30
85 <210> SEQ ID NO: 3
86 <211> LENGTH: 52
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
W--> 92 <400> SEQUENCE: 3
93 ataagaatgc ggccgctcaa tggatgatggt gatgatggat gaacttggcg aa 52
95 <210> SEQ ID NO: 4
96 <211> LENGTH: 34
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
103 <400> SEQUENCE: 4
104 ataagaatgc ggccgctcag atgaacttgg cgaa 34
106 <210> SEQ ID NO: 5
107 <211> LENGTH: 30
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial Sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
114 <400> SEQUENCE: 5
115 ataccacggc agcacaccca gagcgccgag 30
117 <210> SEQ ID NO: 6
118 <211> LENGTH: 30
119 <212> TYPE: DNA
120 <213> ORGANISM: Artificial Sequence
122 <220> FEATURE:
123 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
125 <400> SEQUENCE: 6
126 ctcggcgctc tgggtgtgct gccgtggtat 30
128 <210> SEQ ID NO: 7
129 <211> LENGTH: 33
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

DATE: 07/08/2004

PATENT APPLICATION: US/10/500,296

TIME: 15:10:14

Input Set : A:\PH-1707PCT(SequenceListing).TXT

Output Set: N:\CRF4\07082004\J500296.raw

```

133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
136 <400> SEQUENCE: 7
137 atgaattcca ccatgttggg ggcccgccctc agg 33
139 <210> SEQ ID NO: 8
140 <211> LENGTH: 49
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial Sequence
144 <220> FEATURE:
145 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
147 <400> SEQUENCE: 8
148 atgcggccgc ctaatgatga tgatgatgat ggatgaactt ggccaaggg 49
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 16
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
157 <400> SEQUENCE: 9
158 Tyr Pro Asn Ala Ser Pro Leu Leu Gly Ser Ser Trp Gly Gly Leu Cys
159 1 5 10 15
162 <210> SEQ ID NO: 10
163 <211> LENGTH: 21
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
170 <400> SEQUENCE: 10
171 Arg Asn Ser Tyr His Leu Gln Ile His Lys Asn Gly His Val Asp Gly
172 1 5 10 15
174 Ala Pro His Gln Cys
175 20
176 <210> SEQ ID NO: 11
177 <211> LENGTH: 21
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
184 <400> SEQUENCE: 11
185 Arg Phe Gln His Thr Leu Glu Asn Gly Tyr Asp Val Tyr His Ser
186 1 5 10 15
188 Pro Gln Tyr His Cys
189 20
192 <210> SEQ ID NO: 12
193 <211> LENGTH: 17
194 <212> TYPE: PRT
195 <213> ORGANISM: Artificial Sequence
197 <220> FEATURE:
198 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide

```

## RAW SEQUENCE LISTING

DATE: 07/08/2004

PATENT APPLICATION: US/10/500,296

TIME: 15:10:14

Input Set : A:\PH-1707PCT(SequenceListing).TXT

Output Set: N:\CRF4\07082004\J500296.raw

```

200 <400> SEQUENCE: 12
201 Gly Met Asn Pro Pro Pro Tyr Ser Gln Phe Leu Ser Arg Arg Asn Glu
202   1                               5                10                15
203 Cys
206 <210> SEQ ID NO: 13
207 <211> LENGTH: 11
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
214 <400> SEQUENCE: 13
215 Cys Asn Thr Pro Ile Pro Arg Arg His Thr Arg
216   1                               5                10
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 15
221 <212> TYPE: PRT
222 <213> ORGANISM: Artificial Sequence
224 <220> FEATURE:
225 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
227 <400> SEQUENCE: 14
228 Pro Arg Arg His Thr Arg Ser Ala Glu Asp Asp Ser Glu Arg Cys
229   1                               5                10                15
230 <210> SEQ ID NO: 15
231 <211> LENGTH: 16
232 <212> TYPE: PRT
233 <213> ORGANISM: Artificial Sequence
235 <220> FEATURE:
236 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
238 <400> SEQUENCE: 15
239 Ser Ala Glu Asp Asp Ser Glu Arg Asp Pro Leu Asn Val Leu Lys Cys
240   1                               5                10                15
243 <210> SEQ ID NO: 16
244 <211> LENGTH: 14
245 <212> TYPE: PRT
246 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
249 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
251 <400> SEQUENCE: 16
252 Leu Pro Ser Ala Glu Asp Asn Ser Pro Met Ala Ser Asp Cys
253   1                               5                10
256 <210> SEQ ID NO: 17
257 <211> LENGTH: 15
258 <212> TYPE: PRT
259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
264 <400> SEQUENCE: 17
265 Gly Gly Thr Gly Pro Glu Gly Cys Arg Pro Phe Ala Lys Phe Ile
266   1                               5                10                15

```

## RAW SEQUENCE LISTING

DATE: 07/08/2004

PATENT APPLICATION: US/10/500,296

TIME: 15:10:14

Input Set : A:\PH-1707PCT(SequenceListing).TXT

Output Set: N:\CRF4\07082004\J500296.raw

```

269 <210> SEQ ID NO: 18
270 <211> LENGTH: 14
271 <212> TYPE: PRT
272 <213> ORGANISM: Artificial Sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
277 <400> SEQUENCE: 18
278 Gly Leu Ile His Leu Tyr Thr Ala Thr Ala Arg Asn Ser Cys
279   1           5           10
282 <210> SEQ ID NO: 19
283 <211> LENGTH: 28
284 <212> TYPE: PRT
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
290 <400> SEQUENCE: 19
291 Thr Ile Tyr Ser Ala Leu Met Ile Arg Ser Glu Asp Ala Gly Phe Val
292   1           5           10           15
294 Val Ile Thr Gly Val Met Ser Arg Arg Tyr Leu Cys
295           20           25
298 <210> SEQ ID NO: 20
299 <211> LENGTH: 18
300 <212> TYPE: PRT
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
306 <400> SEQUENCE: 20
307 Met Asp Phe Arg Gly Asn Ile Phe Gly Ser His Tyr Phe Asp Pro Glu
308   1           5           10           15
310 Asn Cys
314 <210> SEQ ID NO: 21
315 <211> LENGTH: 23
316 <212> TYPE: PRT
317 <213> ORGANISM: Artificial Sequence
319 <220> FEATURE:
320 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
322 <400> SEQUENCE: 21
323 Ser Pro Gln Tyr His Phe Leu Val Ser Leu Gly Arg Ala Lys Arg Ala
324   1           5           10           15
326 Phe Leu Pro Gly Met Asn Cys
327           20
330 <210> SEQ ID NO: 22
331 <211> LENGTH: 14
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
338 <400> SEQUENCE: 22
339 Arg Asn Glu Ile Pro Leu Ile His Phe Asn Thr Pro Ile Cys

```

**VERIFICATION SUMMARY**

DATE: 07/08/2004

PATENT APPLICATION: US/10/500,296

TIME: 15:10:15

Input Set : A:\PH-1707PCT(SequenceListing).TXT

Output Set: N:\CRF4\07082004\J500296.raw

L:4 M:283 W: Missing Blank Line separator, <120> field identifier  
L:8 M:270 C: Current Application Number differs, Replaced Application Number  
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:92 M:283 W: Missing Blank Line separator, <400> field identifier